



CONSTRUCTION EQUIPMENT

RANGO HITACHI EX1200-7B 7376 - FRONT SWING DRIVE



Sample No: VCP388316
Oil Type: GEAR OIL SAE 90
Job No: RANGO



SAMPLE INFORMATION

Sample Number	VCP388316	---	---	---
Sample Date	24 Apr 2024	---	---	---
Machine Hours	2749	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY ALLEN
 rallen@arnoldmachinery.com
 T:
 F: (602)414-1904



OIL CONDITION

Visc @ 40°C	cSt	█ 188	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 33	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 104	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 16	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 56	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 43	---	---	---
Phosphorus	ppm	553	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 88	---	---	---

Depot: VOLVO6174
Unique No: 11020325
Signed: Wes Davis
Report Date: 10 May 2024

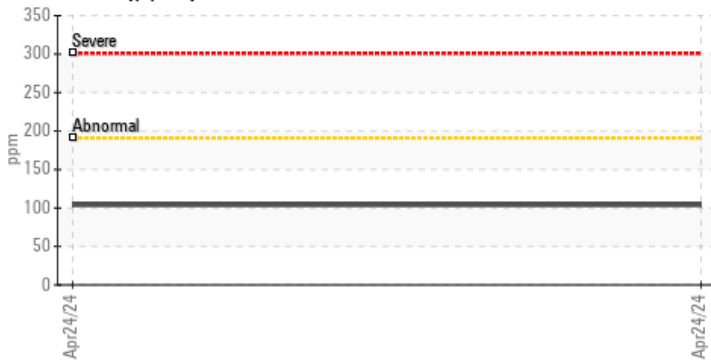


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GRAPHS

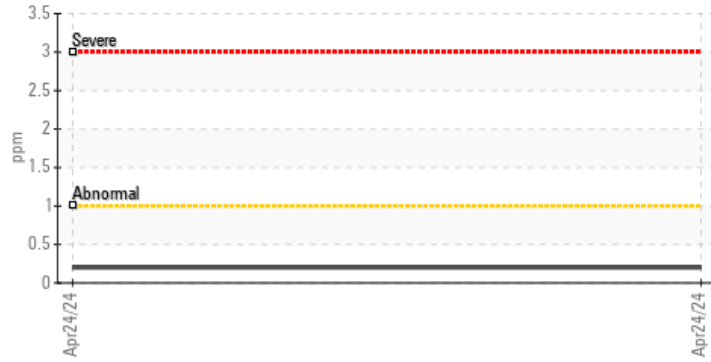
Iron (ppm)



Lead (ppm)



Aluminum (ppm)



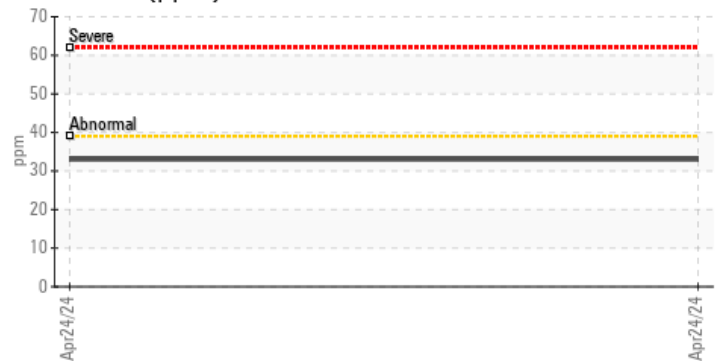
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

